

**INSTRUCTION AND OPERATING MANUAL**

**MODEL 206A**

**LOW DISTORTION  
AUDIO SIGNAL GENERATOR**

**Serial 875 and Above**



**HEWLETT-PACKARD COMPANY**

**395 Page Mill Road • Palo Alto, California, U.S.A.**

INSTRUCTIONS  
MODEL 206A  
LOW DISTORTION AUDIO SIGNAL GENERATOR

Specifications

Frequency Rating --

Frequency Range - 20 to 20,000 cycles/sec.

Frequency Dial Calibration - 20 to 200.

Ranges -

XI            20 to 200 cycles/sec

XI0          200 to 2,000 cycles/sec.

XI00        2,000 to 20,000 cycles/sec.

Response - Better than .2 db at all levels, 30 to 15,000 cycles/sec.

Stability - Better than 2% accuracy under normal temperature conditions.

Power Output Rating --

Power Output - 31.6 milliwatts (+15 db above 1 mw) into 50, 150, or 600 ohm approximately 10 volts open circuit.

Distortion - Less than .1% at frequencies above 50 cycles/sec., less than .25% at frequencies from 20 to 50 cycles/sec.

Hum and Noise Level - At least 70 db below the output signal, or more than 100 db below zero level, whichever is the larger.

Output Impedance - 50, 150, or 600 ohms, balanced or unbalanced.  
Selector switch provided.

Center - tap connection available for balanced-to-ground operation.

Output Meter --

Calibrated to read directly in volts (0 to 4.5 volts) across 600 ohms and in dbm (-5 to +15 dbm) (reference: 1 mw into 600 ohms)

Output Attenuator -- A three-section attenuator provides a range of:

111 db in .1 db steps

110 db in 1 db steps

100 db in 10 db steps

Power Supply Rating --

Voltage - 115/230 volts  $\pm 10\%$

Frequency - 50/1,000 cycles

Wattage - 130 watts

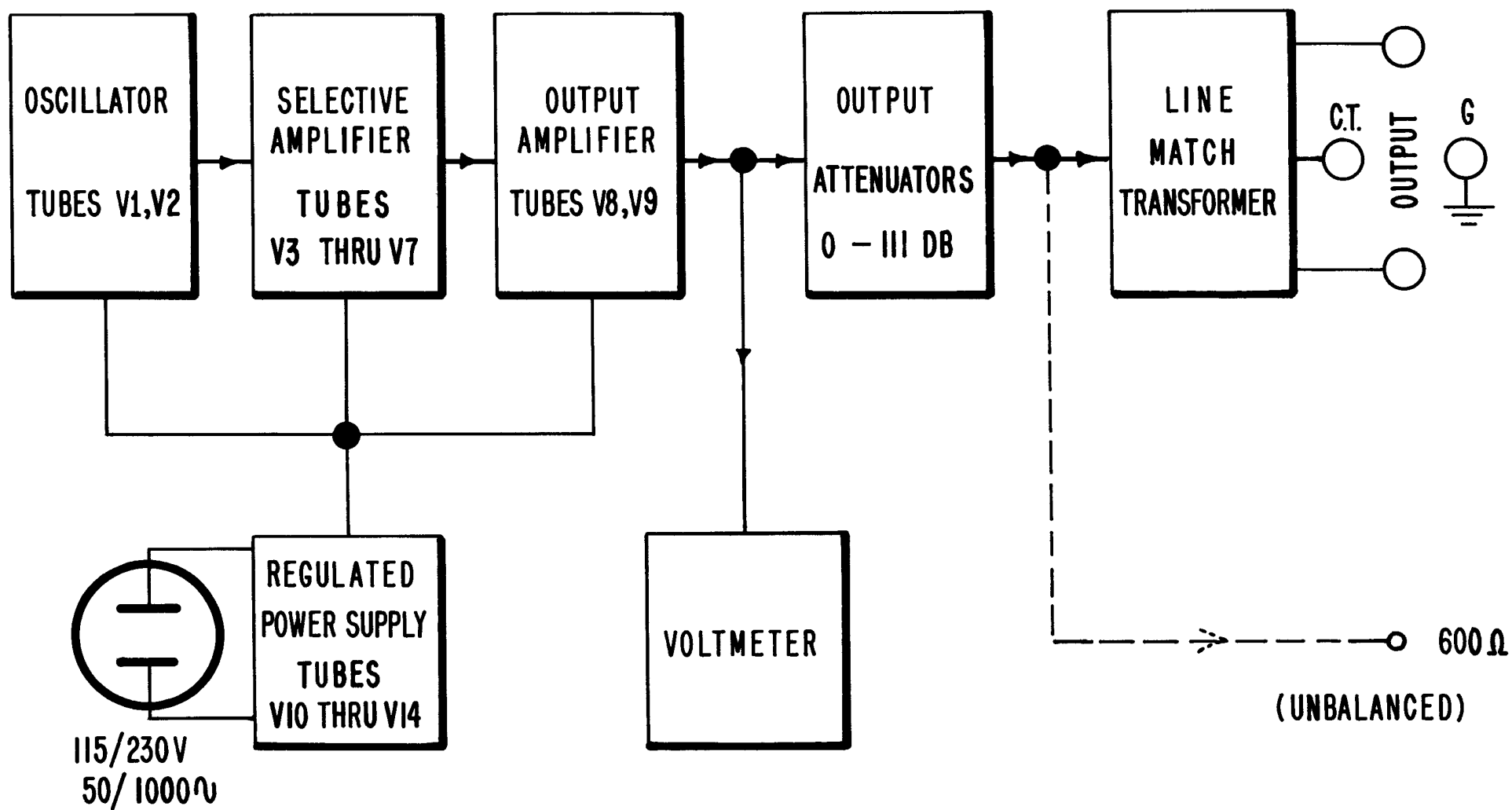
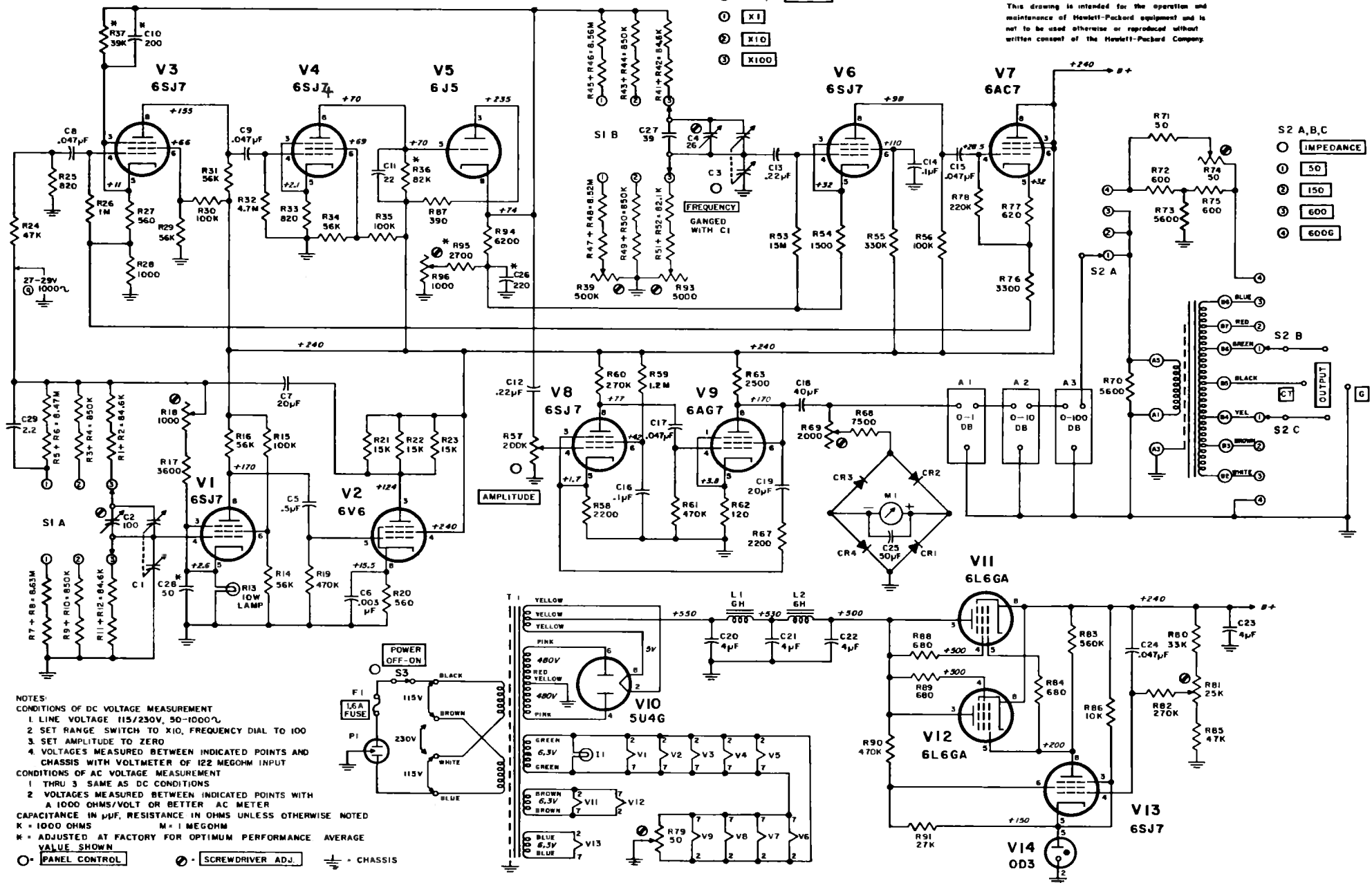


Fig. 3. Model 206A Block Diagram

○ SI A, B RANGE  
 ① X1  
 ② X10  
 ③ X100

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SCHEMATIC DIAGRAM OF MODEL 206A AUDIO SIGNAL GENERATOR SERIAL 950 & ABOVE

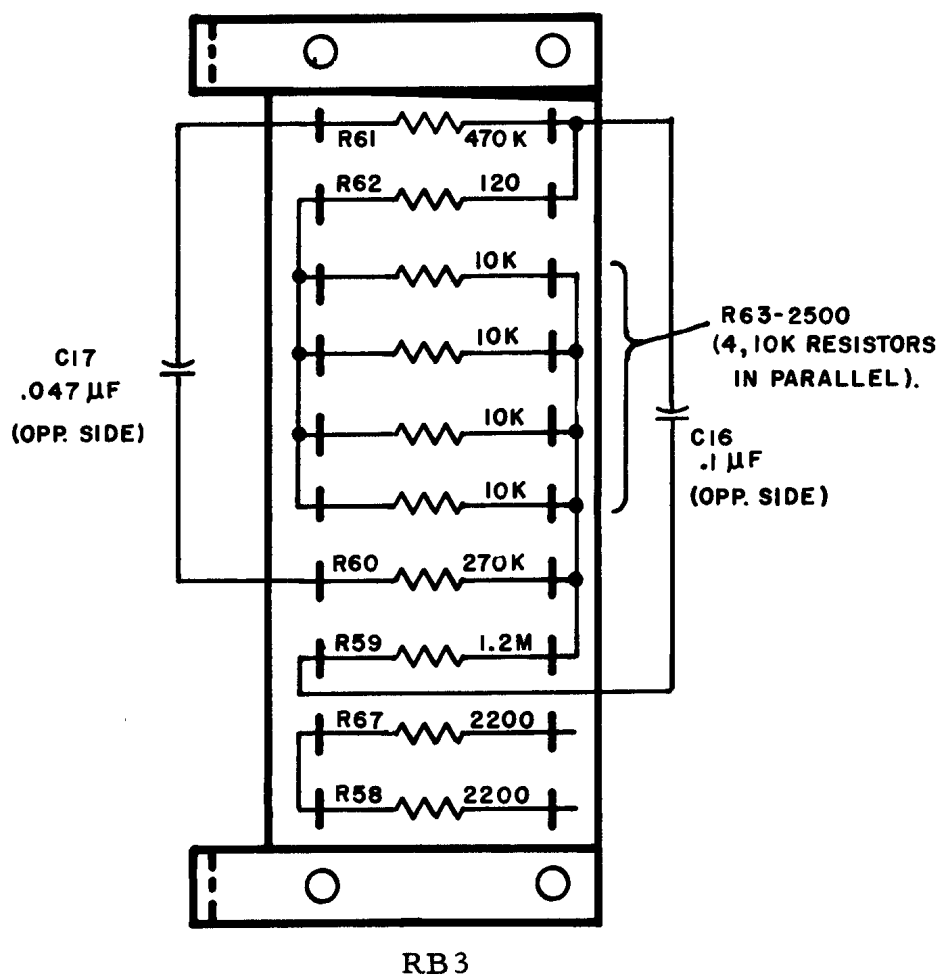
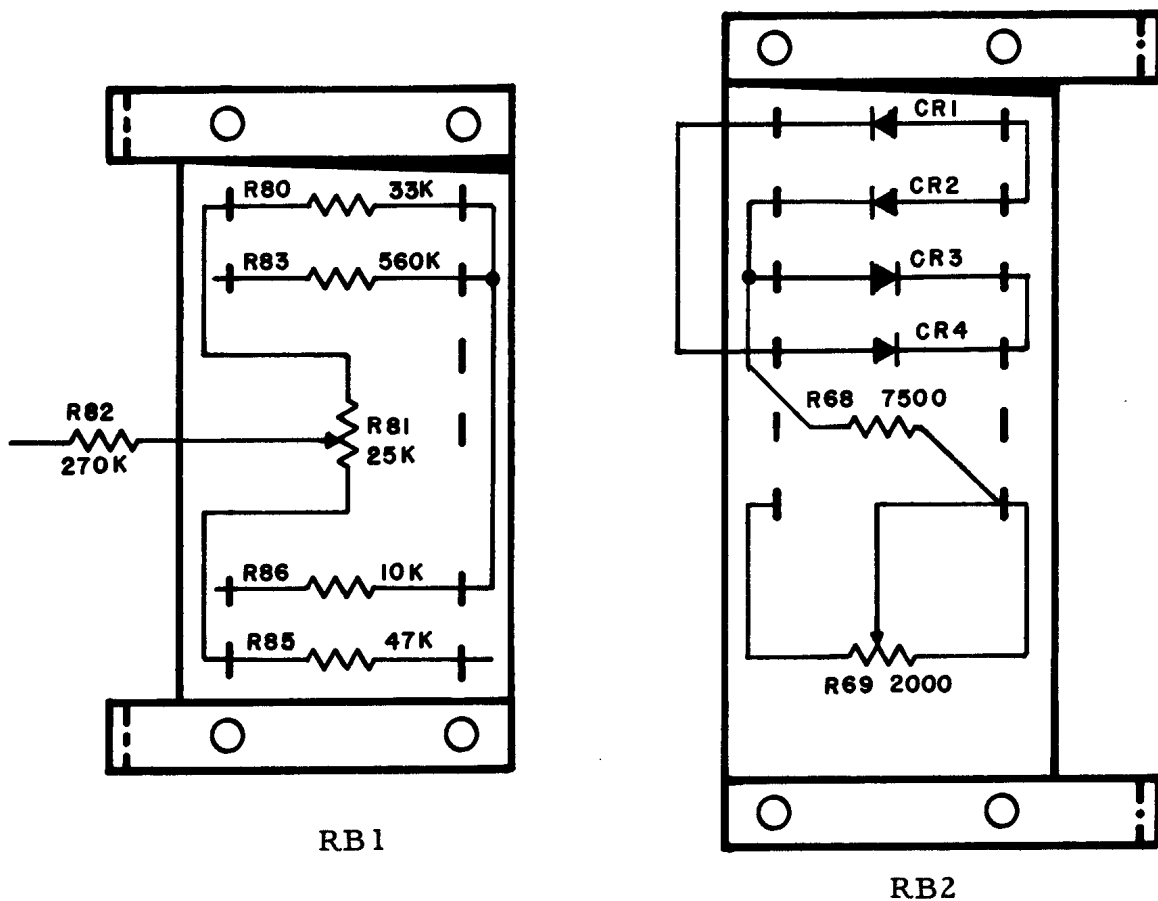
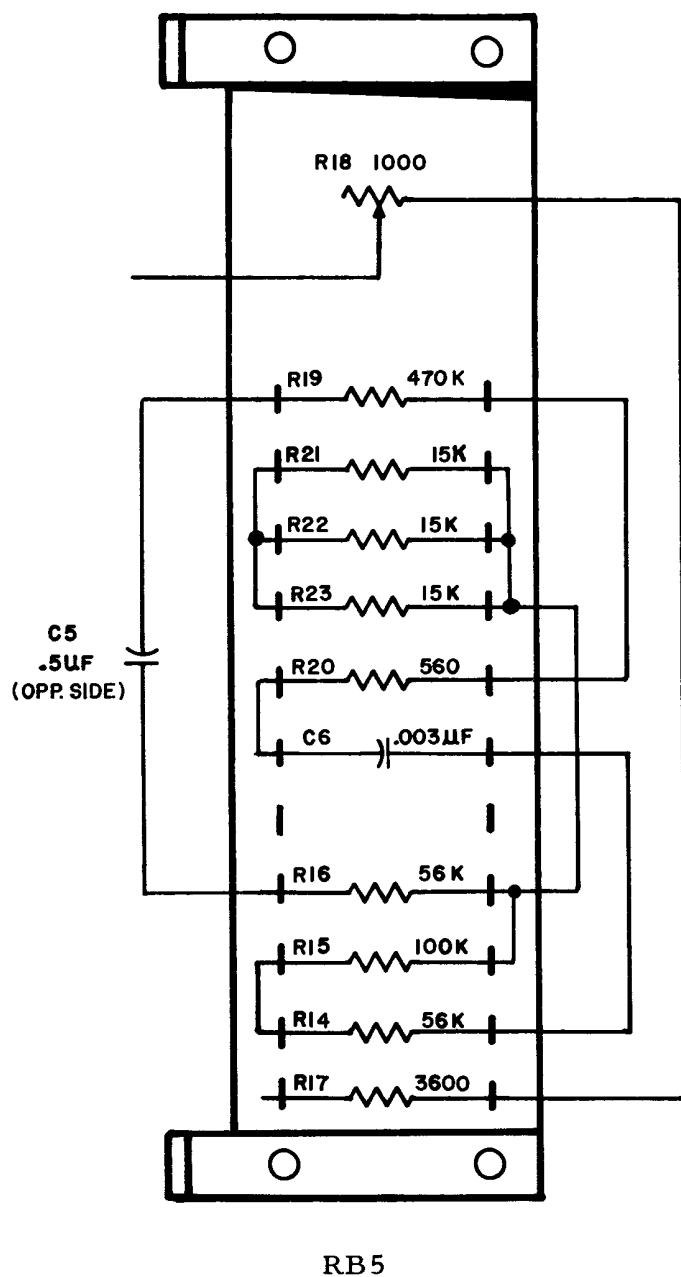
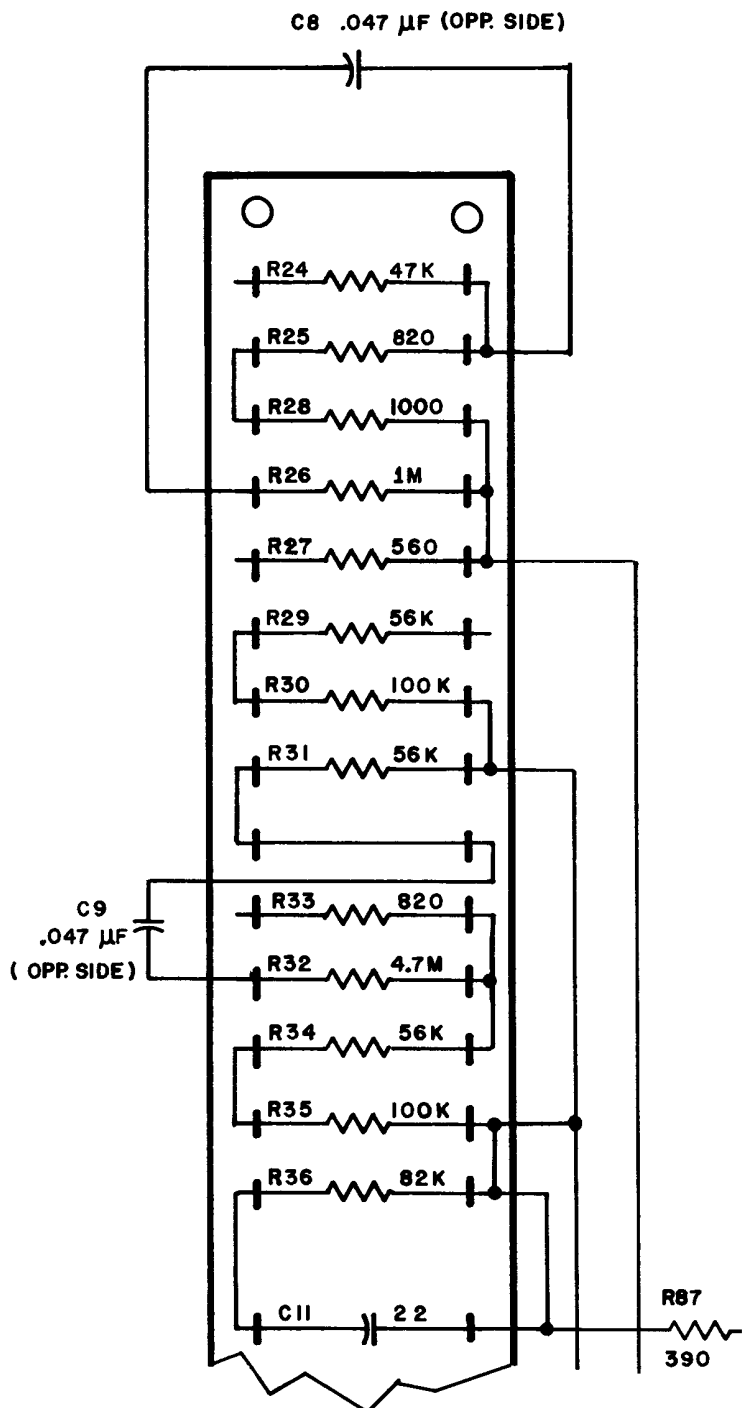


Fig. 6. Model 206A Resistor Board Detail



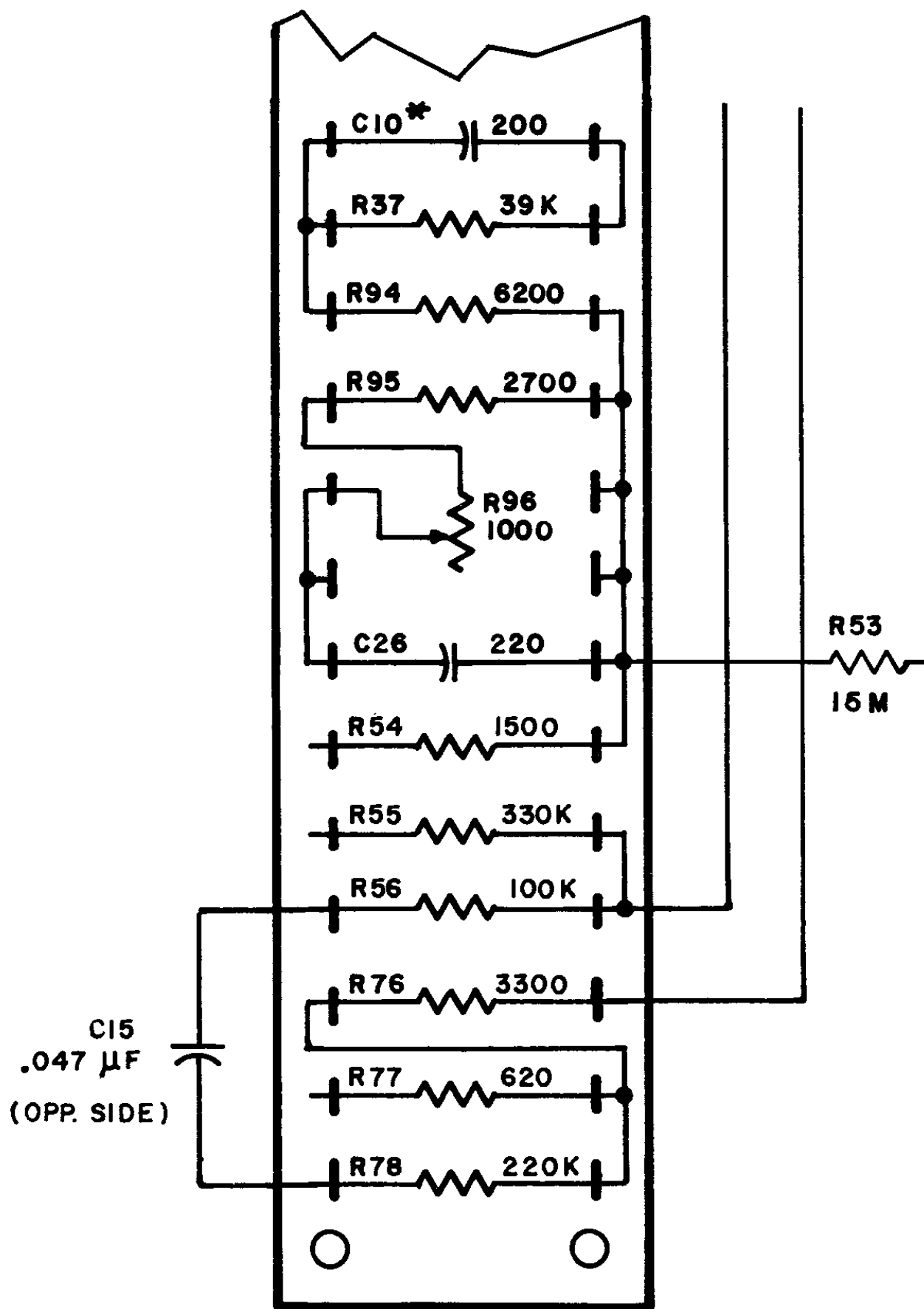


Fig. 7. Model 206A Resistor Board Detail